AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

			1. CONTRACT ID CODE	PAGE	OF PA
				1	11

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
NS58-05	SEE BLOCK 16	N00039-04-MR-52B04.03	

6. ISSUED BY	CODE	N00039

COMMANDER,
SPACE AND NAVAL WARFARE SYSTEMS COMMAND
4301 PACIFIC HIGHWAY
SAN DIEGO CA 92110-3127
David C. Ryan III/02-4/858-537-0314/
david.ryan@navy.mil

7. ADMINISTERED BY (If other than Item 6)   CODE   S2203A

DCMA BOSTON – GD
77 A ST.
NEEDHAM, MA 02194-2892

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and ZIP Code)

GD
77 A ST.
NEEDHAM, MA 02194-2892

CODE	2D423	FACILITY CODE	

(✓)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

✓   10A. MODIFICATION OF CONTRACT/ORDER NO.
N68939-97-D-0041/NS58

10B. DATED (SEE ITEM 13)
26 FEB 04

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; of (c) By separate letter of telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this a you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See attached Financial Acounting Data Sheet

(✓)		
	A.	THIS CHANGE ORDER IS ISSUED PURSUANT TO: SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. (Specify authority)
X	B.	THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET F IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
	C.	THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO BY MUTUAL AGREEMENT OF THE PARTIES
	D.	OTHER

E. IMPORTANT: Contractor   X   is not   is required to sign this document and return _1_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate new Items 0026 through 0049, for server farm and information assurance upgrade support and material at ITOC sites, lcoated in Chinhae, Rota, UK, Misawa, Diego Garcia, Atsugi, Okinawa, and Singapore. These items are incorporated on a not-to-exceed basis, pending the definitization of price.

15B. CONTRACT/OFFEROR	15C. DATE SIGNED	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or Print)	16C. DATE SIGNED
Peter Bertocci, GD-NS Contracts Mgr.		David C. Ryan III, Contracting Officer	
(Signature of person authorized to sign)	7/8/04	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	7/12/04

1.   Section B, Supplies/Services and Prices/Costs is modified as follows:

(a) Add the following new items, with all unit prices and amounts expressed in terms of a <u>Not-to-Exceed (NTE)</u> basis:

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
0026	CLIN 0700 – Customized Product Solution – BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- Chinhae ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0027	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Chinhae ITOC	1	LOT	$485,800.00	$485,800.00
0028	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Chinhae ITOC	1	LOT	$195,300.00	$195,300.00
0029	CLIN 0700 – Customized Product Solution- BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- Rota ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0030	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Rota ITOC	1	LOT	$482,600.00	$482,600.00
0031	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Rota ITOC	1	LOT	$670,400.00	$670,400.00
0032	CLIN 0700 – Customized Product Solution – BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- United Kingdom (UK) ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0033	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – UK ITOC	1	LOT	$432,400.00	$432,400.00
0034	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – UK ITOC	1	LOT	$417,200.00	$417,200.00
0035	CLIN 0700 – Customized Product Solution- Assurance Upgrade Systems Integration Support- Misawa ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0036	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Misawa ITOC	1	LOT	$482,600.00	$482,600.00
0037	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Misawa ITOC	1	LOT	$670,4000.00	$670,400.00

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
0038	CLIN 0700 – Customized Product Solution – BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- Diego Garcia ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0039	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Diego Garcia ITOC	1	LOT	$432,400.00	$432,400.00
0040	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Diego Garcia ITOC	1	LOT	$417,200.00	$417,200.00
0041	CLIN 0700 – Customized Product Solution – BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- Atsugi ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0042	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Atsugi ITOC	1	LOT	$689,800.00	$689,800.00
0043	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Atsugi ITOC	1	LOT	$815,000.00	$815,000.00
0044	CLIN 0700 – Customized Product Solution – BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- Okinawa ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0045	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Okinawa ITOC	1	LOT	$432,400.00	$432,400.00
0046	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Okinawa ITOC	1	LOT	$417,200.00	$417,200.00
0047	CLIN 0700 – Customized Product Solution – BLII FY 04 Server Farm and Information Assurance Upgrade Systems Integration Support- Singapore ITOC	1	LOT	$ 20,000.00	$ 20,000.00
0048	CLIN 0700 – Customized Product Solution- Server Farm Hardware Upgrades – Singapore ITOC	1	LOT	$485,900.00	$485,900.00
0049	CLIN 0700 – Customized Product Solution- Server Farm and Information Assurance Software Upgrades – Singapore ITOC	1	LOT	$195,300.00	$195,300.00

(b) The Section B price table, as well as the VIVID ACT Fee summary table shall be updated to reflect the total amount of order and "1% ACT Fee Discount", respectively, upon definitization of this modification.

(c) Modify ITEM 0006, Contract Data Deliverables, to include Items 0007-0009, 0011-0025, and 0026-0049 prices as NSP.

2. Under SECTION C – DESCRIPTION/SPECIFICATIONS/WORK STATEMENT, the Item 0007, 0008, and 0009 paragraphs are amended, to include new Items 0026-0049, as follows:

Items 0007, 0011, 0014, 0017,0020, 0023, 0026, 0029, 0032, 0035, 0038, 0041, 0044, and 0047 - The Contractor shall provide system integration services in support of SF and IA FY 04 program upgrade installations scheduled for the Naples, Italy Information Technology Service Center (ITSC) (Item 0007), and Information Technology Outreach Centers (ITOCs) at the Signoella (Item 0011), La Maddalena (Item 0014), Souda Bay (0017), Guam (Item 0020), Sasebo (0023), Chinhae (0026), Rota (0029), UK (0032), Misawa (0035), Diego Garcia (0038), Atsugi (0041), Okinawa (0044), and Singapore (0047) sites. The program includes both NIPRET and SIPRNET SF and IA configurations. Services shall be performed in accordance with the Task Requirements Notice (TRN), Attachment "A" to this order.

Items 0008, 0012, 0015, 0018, 0021, 0024, 0027, 0030, 0033, 0036, 0039, 0042, 0045, and 0048 – The Contractor shall provide server farm upgrade equipment to meet both NIPRNET and SIPRNET configuration requirements at the ITSCs and ITOCs, corresponding to the respective line item requirements. Equipment shall be acquired, bar-coded, and inventoried in the program configuration database. Equipment shall be procured in accordance with the requirements displayed in site hardware upgrade lists set forth in Attachments incorporated under Section J of the order, as displayed below:

Item No.	Hardware Upgrade List Attachment	Site
0027	U	Chinhae
0030	W	Rota
0033	Y	UK
0036	AA	Misawa
0039	AC	Diego Garcia
0042	AE	Atsugi
0045	AG	Okinawa
0048	AI	Singapore

Each item of equipment shall be provided with a four (4) year warranty service, which commences upon acceptance of the equipment by the Government.

Items 0009, 0013, 0016, 0019, 0022, 0025, 0028, 0031,0034, 0037, 0040, 0043, 0046, and 0049 – SF and IA software upgrades, to meet both NIPRNET and SIPRNET configuration requirements at the ITSCs and ITOCs, corresponding to the respective line item requirements, shall be acquired, in accordance with the requirements set forth in the respective Attachments listed below, and incorporated under Section J of the order.

Item No.	Software Upgrade List Attachment	Site
0028	V	Chinhae
0031	X	Rota
0034	Z	UK
0037	AB	Misawa
0040	AD	Diego Garcia
0043	AF	Atsugi
0046	AH	Okinawa
0049	AJ	Singapore

3. Under SECTION E – INSPECTION AND ACCEPTANCE, the following revisions are made:

(a) Subparagraph (b) is redesignated as "(b)(1)". Subparagraph "(b)" is now changed to a header "Designated Inspection and Acceptance (I&A) Representatives:"

(b) Add the following I&A representatives under subparagraph "(b)(2)as follows:

Chinhae	Rota	UK
Michael J. Frasher	Ramon Martinez	LT Pat Lancaster
Commander Fleet Activities Chinhae (Korea ITOC) PSC 479 FPO AP 96269 M/F: BLII Server Enhancements	Naval Station Supply Depot Rota, Spain Apartado 33, Edificio55 Rota, Cadiz 11539 Spain Attn: NCTAMS Rota Spain Supply Officer	CONNNAVACTUK Supply Warehouse Building 1300 RAF Daws Hill Daws Hill Lane High Wycombe Bucks HP11 1PZ
Telephone: 82-11-9025-6729 DSN: 315-762-5240 Commercial Fax: 82-55-542-5450	Telephone, Commercial: +34 956 82 1832 DSN: 727 1832	Telephone: DSN(314)235-4574
Email Address: frasherm@spawar.navy.mil	Email: MartinezR@navsta.rota.navy.mil	email: patrick.lancaster@naveur.navy.mil

Misawa	Diego Garcia	Atsugi
Chief Gaines	Jeff Moore	Larry Lloyd
NAF Misawa MIS Dept Code 47, Unit 5048 APO AP, 96319-5000 Tel: 226-5466	NSF Diego Garcia - N6 PSC 466, BOX 47 FPO AP, 96595-0047	Commanding Officer Naval Air Facility, Atsugi, Japan PSC 477, BOX 4 FPO AP, 96306-1204 M/F IRM Div, S.C Dept Tel: 264-3737
Email: gaines.ranny@nafm.misawa.af.mil	Email: moorej@dg.navy.mil	Email: lwlloyd@atsugi.navy.mil
Okinawa	Singapore	
Larry Fillhart	LT Mike Conner	
CFAO PSC 480, CODE N6 FPO, AP, 96370-1100 Attn: ETC Thomas Tel: 634-6874	Commanding Officer Logistics Group Western Pacific Attn: ACOS for Info Sys, N6 PSC 470 BOX 2400 FPO AP 96534-2400 Tel: 421-2631	
Email: larry.fillhart@kadena.af.mil	Email: N6@clwp.navy.mil	

(d) Subparagraph (c) is deleted and replaced with the following:

"Acceptance of Items 0001, 0007, 0011, 0014, 0017, 0020, 0023, 0026,0029, 0032, 0035, 0038, 0041, 0044, and 0047 shall be based upon the successful performance of a Final Area SOVT, as well as the approval of the final red-lined As-Build Base Design Plan (BDP) Drawing package, for the respective site by the designated representative listed in subparagraph (b)."

(e) The subparagraph (d) header is deleted and replaced with the following:

"(d) Material Acceptance Provision – Item 0002, 0008, 0012, 0015, 0018, 0021, 0024, 0027, 0030, 0033, 0036, 0039, 0042, 0045, and 0048"

4. Under SECTION F-DELIVERIES OR PERFORMANCE, the following revisions are made:

   (a) Add the following Items to Subparagraph (a):

   (a) <u>Period of Performance</u>

<u>ITEM</u>   <u>Period of Performance</u>

Items 0026-0028   Effective date of modification 05 through 23 July 2004 (Chinhae)

Items 0029-0031   Effective date of modification 05 through 23 July 2004 (Rota)

Itemd 0032-0034   Effective date of modification 05 through 3 September 2004 (UK)

Items 0035-0037   Effective date of modification 05 through 24 September 2004 (Misawa)

Items 0038-0040   Effective date of modification 05 through 1 October 2004 (Diego Garcia)

Items 0041-0043   Effective date of modification 05 through 6 August 2004 (Atsugi)

Items 0044-0046   Effective date of modification 05 through 20 August 2004 (Okinawa)

Items 0047-0049   Effective date of modification 05 through 17 September 2004 (Singapore)

The following submission due dates for as-built drawings, reflecting the submission requirement of no later than 30 days following completion of SOVT at each respective site, are hereby incorporated to facilitate tracking of these data deliverables. Any slips in the scheduled completion of each SOVT, caused by the Government, will result in a commensurate extension in the associated dates displayed below.

	<u>As-built drawing Due Date</u>	<u>Site Location</u>
Items 0001-0003	18 July 2004	Yokosuka
Items 0007-0009	11 July 2004	Naples
Items 0011-0013	17 October 2004	Sigonella
Items 0014-0016	05 September 2004	LaMaddalena
Items 0017-0019	08 August 2004	Souda Bay
Items 0020-0022	08 August 2004	Guam
Items 0023-0025	03 October 2004	Sasebo
Items 0026-0028	22 August 2004	Chinhae
Items 0029-0031	22 August 2004	Rota
Items 0032-0034	19 September 2004	UK
Items 0035-0037	07 November 2004	Misawa
Items 0038-0040	31 October 2004	Diego Garcia
Items 0041-0043	05 September	Atsugi
Items 0044-0046	19 September 2004	Okinawa
Items 0047-0049	17 October 2004	Singapore

(b) Under paragraph (b), <u>Shipment Destination Addresses</u>, subparagraph (b)(2), add the following site shipment addresses:

Chinhae	Rota	UK
Commander Fleet Activities Chinhae (Korea ITOC) Attn: Supply Officer Hyundong, Chinhae City Kyongnam, 645-016 Republic of Korea Telephone: 82-55-546-7751	Naval Station Supply Depot Rota, Spain Apartado 33, Edificio55 Rota, Cadiz 11539 Spain Attn: NCTAMS Rota Spain Telephone: +34 956 82 1832 DSN 727 1832	COMNAVACTUK Supply Warehouse Building 1300 RAF Daws Hill Daws Hill Lane High Wycombe Bucks HP11 1PZ Telephone: ETC James Badger DSN 235-4192 James.badger@naveur.navy.mil
Misawa	Diego Garcia	Atsugi
Misawa Air Base Bldg #926 Naval Air Facility, Supply Dept. MIS Division 1-Chome, Hirahata Misawa-Shi, Aomoriken, Japan 033-0012 Attn: Ray matsuno Tel: (0176)53-5181 EXT 226-5466/3707	N68539 RECEIVING OFFICER U.S. Naval Support Facility Diego Garcia British Indian Ocean Territory M/F: BLII OCONUS Hold for: Mr. Jeff Moore (N6B), Telephone: 370-4435	U.S. Naval Air Facility, Atsugi Japan ITC Division, Building # 174 Attn: Alcide Davis Ogami, Ayase-Shi Kanagawa Japan 252-1101
Okinawa	Singapore	Guam – Replace with
Commander Fleet Activities Okinawa Kadena Air Force Base Okinawa Japan Building 3554 Room 223 Kadeno Cho Okinawa, Japan 90400 (Attn: ADP/IRMD K. Kitamura) Tel: Comm: 011-81-611734-6334. DSN: 634-6334	COMLOG WESTPAC Attn: N6/ITOC PSA Sembawang Terminal DEPTFORD RD, BLD 7-4 Singapore 759657	Attn: Frank Salas SPAWAR Guam 57 Ammon Ave. Barrigada, Guam 96913

(c) Under paragraph (b), <u>Shipment Destination Addresses</u>, the address for Item 0004, Information Assurance-Remedy Software Upgrade, Bahrain ITSC, is changed to:

Navy Information Technology Service Center (ITSC)
1 Juffair Ave/Juffair
NSA Bahrain GSK BANZ WHSE
Kingdom of Bahrain

Attn: LCDR Murry Carter

5. Under SECTION H-SPECIAL PROVISIONS, the following revisions are made:

(a) Special Payment Provision, delete the entire paragraph and replace with the following:

Special Payment Provision

Payments are authorized based on the following schedule:

100% of hardware and software Item(s) 0002-0005, 0008-0010, 0012, 0013, 0015, 0016, 0018, 0019, 0021, 0022, 0024, 0025, 0027, 0028, 0030, 0031, 0033, 0034, 0036, 0037, 0039, 0040, 0042, 0043, 0045, 0046, 0048, and 0049 amounts, upon Government receipt and acceptance of shipments at the respective sites

95% of Items 0001, 0007, 0011, 0014, 0017, 0020, 0023, 0026, 0029, 0032, 0035, 0038, 0041, 0044, and 0047 amounts at completion of the respective site Final area System Operational Verification and Tests (SOVT)

5% of Item 0001, 0007, 0011, 0014, 0017, 0020, 0023, 0026, 0029, 0032, 0035, 0038, 0041, 0044, and 0047 amounts upon final acceptance by the Government of the respective site Final As-built drawings

(b) Add the following new clauses, applicable to Items 0026-0049:

52.216-24   Limitation of Government Liability (Apr 1984)

(a) In performing Items 0026-0049, the Contractor is not authorized to make expenditures or incur obligations exceeding $ 7,881,900.00
(b) The maximum for which the Government shall be liable if Items 0026-0049 are terminated is $ 7,881,900.00.

52.216.25   Contract Definitization of Items 0026-0049

(a) A firm fixed price definitization of Items 0026-0049 is contemplated. The Contractor agrees to
begin promptly negotiating with the Contracting Officer the terms of a firm fixed price
definitization for said Items that will include:

    (1) all clauses required by the Federal Acquisition Regulations (FAR) on the date of the
execution of this modification,

    (2) all clauses required by law on the date of execution of the definitive modification, and

    (3) any other mutually agreeable clauses, terms, and conditions. The Contractor agrees to
submit a firm fixed price proposal for Item 0026-0049 requirements.

(b) The schedule for the price definitization of Items 0026-0049 is as follows:

Submission of price proposal	12 July 2004
Commencement of negotiations	16 July 2004
Definitization	23 July 2004

(c) If agreement of a definitive order modification to supercede this not-to-exceed authorization for
Items 0026-0049 is not reached by the target date in paragraph (b) of this section, or within any
extension of it granted by the Contracting Officer, the Contracting Officer may, with the approval
of the head of the contracting activity, determine a reasonable price or fee in accordance with
Subpart 15.4 and Part 31 of the FAR, subject to Contractor appeal as provided in the Disputes
clause. In any event the Contractor shall proceed with completion of the contract, subject only to
the Limitation of Government Liability clause.

(1) After the Contracting Officer's determiniation of price or fee, the order modification, which
definitizes Items 0026-0049 shall be governed by-

    (i)   all clauses required by the FAR on the date of the execution of this modification for
either fixed price or cost reimbursement contracts, as determined by the Contracting
Officer under this paragraph (c);

    (ii)   all clauses required by law as of the date of the Contracting Officer's determination;
and

    (iii)   any other clauses, terms, and conditions mutually agreed upon.

(2) To the extent consistent with subparagraph (c)(1) of this section, all clauses, terms, and
conditions included in this modification shall continue in effect, except those that by their nature
apply only to a letter contract.

(c) Under the Government Furnished Equipment (GFE) clause, replace the first sentence with the
following:

"The Government shall provide access to all U.S. Government as-is IT infrastructure components,
recommended by the contractor for integration into the BLII OCONUS enterprise at all sites
encompassed by Section B line item requirements."

6.   Under <u>SECTION J – LIST OF ATTACHMENTS</u>, the following revisions are incorporated:

(a) Attachment "A", Task Requirements Notice (TRN), is superseded by Attachment A, May 19, 2004, Version 4.0, 7 pages, attached hereto.

(b) Add new Items 21-36 as Attachments "U" through "AJ", respectively as follows:

  21.   Attachment U – Chinhae ITOC FY 04 Hardware Upgrade List, 10 pgs.
  22.   Attachment V – Chinhae ITOC FY 04 Software Upgrade List, 8 pgs.
  23.   Attachment W –Rota ITOC FY 04 Hardware Upgrade List, 8 pgs
  24.   Attachment X – Rota ITOC FY 04 Software Upgrade List, 8 pgs.
  25.   Attachment Y – UK ITOC FY 04 Hardware Upgrade List, 10 pgs
  26.   Attachment Z – UK ITOC FY 04 Software Upgrade List, 8 pgs.
  27.   Attachment AA – Misawa ITOC FY 04 Hardware Upgrade List, 8 pgs
  28.   Attachment AB – Misawa ITOC FY 04 Software Upgrade List, 8 pgs.
  29.   Attachment AC – Diego Garcia ITOC FY 04 Hardware Upgrade List, 9 pgs
  30.   Attachment AD – Diego Garcia ITOC FY 04 Software Upgrade List, 8 pgs.
  31.   Attachment AE – Atsugi ITOC FY 04 Hardware Upgrade List, 3 pgs.
  32.   Attachment AF – Atsugi ITOC FY 04 Software Upgrade List, 8 pgs.
  33.   Attachment AG – Okinawa ITOC FY 04 Hardware Upgrade List, 10 pgs
  34.   Attachment AH – Okinawa ITOC FY 04 Software Upgrade List, 8 pgs.
  35.   Attachment AI – Singapore ITOC FY 04 Hardware Upgrade List, 12 pgs
  36.   Attachment AJ – Singapore ITOC FY 04 Software Upgrade List, 8 pgs.

7. As a result of the above changes, the total amount of order, including Not-to-Exceed Items 0026 through 0049 incorporated herein, is increased by $ 7,881,900.00 from $11,098,654.99 to $ 18,980,554.99   .

8. Except as provided above, all other terms and conditions of the order remained unchanged and in full force and effect.

TASK REQUIREMENTS NOTICE (TRN)

Base Level Information Infrastructure (BLII)

Outside Continental United States (OCONUS)

Server Farm Upgrades

1.0   INTRODUCTION AND OBJECTIVES

1.1   The Program Executive Office – Command, Control, Computers, Communications, Intelligence and Space (PEO C4I & Space) is responsible for implementation of the Base Level Information Infrastructure (BLII) OCONUS regions. BLII OCONUS regions include Europe: United Kingdom, Spain, Greece, and Italy; Far East: Japan, Korea, Singapore, Diego Garcia, and Guam; and the Middle East: Bahrain and United Arab Emirates (UAE). BLII OCONUS will provide a standardized IT infrastructure, centralized IT services, and secure end-to-end connectivity to all participating Navy users.

1.2   In order to meet Navy BLII objectives in the Far East and European regions, Server Farm upgrades will be implemented for the Yokosuka and Naples Information Technology Service Centers (ITSCs) and the Information Technology Outreach Centers (ITOCs) at Guam, La Maddalena, Souda Bay, Sasebo, Sigonella, Atsugi, Misawa, Okinawa, Korea, Singapore, Diego Garcia, United Kingdom and Rota. A combined government and industry team under the leadership of the Program Manager, PEO C4I and Space will accomplish server farm upgrades. The team composition includes SPAWAR Systems Center San Diego (SSC) as the lead and Commander Pacific Fleet (CPF) N67, Commander Naval Forces Europe (CNE) N66 and General Dynamics Network Systems division supporting.

1.3   As a result of this task, the contractor shall attain sufficient expertise and training during the Yokosuka and Naples ITSC Server Farm upgrades to complete Information Technology Outreach Center (ITOC) installations in the Far East and Europe regions independently.

1.4   The contractor shall accomplish the final area System Operation Verification Tests (SOVTs) for all sites in accordance with the plan provided by General Dynamics and complete all work necessary for final site acceptance in accordance with the government provided schedule.

2.0   REFERENCE DOCUMENTATION AND STANDARDS

The following documents, as well as appropriate industry standards, are to be used by the contractor toward the accomplishment of the tasks described herein.

a.   CNO FY04 BLII OCONUS Upgrade Requirements Document dated Jan 04

b.   Base Design Plan (BDP) for Yokosuka and Naples ITSCs and Guam, LaMaddalena, Souda Bay, Sasebo, Sigonella, Atsugi, Misawa, Okinawa, Korea, Singapore, Diego Garcia, United Kingdom and Rota ITOCs with Server Farm Upgrades

c.   SPAWAR Shore Installation Process Handbook, version 2.0 dated 12 Jun 03

d.   ANSI/TIA/EIA 606, Administration Standards for the Telecommunications Infrastructure of Commercial Buildings (commercially available)

e.   TIA/EIA 607, Ground and Bonding Requirements for Telecommunications in Commercial Buildings (Commercially available)

f.   TIA/EIA 568A, Commercial Building Telecommunications Wiring Standard (Commercially available)

g.   TIA/EIA 569A, Commercial building Standard for Telecommunications Pathways and Spaces (Commercially available)

h.   NSTISSAM TEMPEST/2-95a amendment of 3 February 2000, Red/Black Installation Guidance

i.   Unified Facilities Guide Specifications, UFGS-16768A dtd July 2003 http://www.ccb.org/docs/ufgshome/UFGSToc.htm

3.0   SCOPE

The contractor for the Yokosuka and Naples ITSCs and the Guam, LaMaddalena, Souda Bay, Sasebo, Sigonella Atsugi, Misawa, Okinawa, Korea, Singapore, Diego Garcia, United Kingdom, and Rota ITOCs Server Farm upgrades, shall procure hardware and software, conduct a site survey, complete site preparation, perform configuration and integration of the server farm, participate in government provided training and conduct operational testing under the direction of SSC San Diego. These upgrades will expand server farm capability in order to provide a standardized IT infrastructure, centralized IT services, and secure end-to-end connectivity to all participating Navy users.

4.0   TASK DESCRIPTIONS

4.1   Hardware and Software Upgrades and Warranty Acquisition.

4.1.1   The contractor shall complete the following for all sites:

a.   Procure the upgrade equipment including hardware and software as outlined in the Government provided Bill of Materials (BOM).

b.   Deliver and ship the equipment to each site in accordance with the agreed upon installation schedule and instructions provided by the government.

c.   Act as the Single Point of Contact for this procurement, and for the associated Shipping Activities.

d.   Leverage in-house and existing shipping and freight forwarding contracts and processes that are currently aiding in expedited shipping.

e.   Incorporate lessons learned from existing shipping activities to minimize disruption or delay to the site.

f.   Inspect and bar code all equipment procured under this delivery order for warranty asset tracking utilizing the same bar code scheme and process, as was used for previously installed equipment.

g.   The contractor provided RS3 shall support the configuration that results from this installation. The RS3 period of performance shall be 12 months from completion of the upgrades.

h.   The contractor shall maintain linkages between the General Dynamics Master Schedule and the FY04 Government Implementation Schedule. Both schedules impact each other and shall be coordinated with the PMO weekly.

4.1.2   Warranties: The contractor shall provide a four (4) year warranty support for all hardware procured as part of this delivery order. The warranty period shall commence upon Operational Test acceptance of that portion of the infrastructure by the Government.

4.1.3   Software Maintenance: The contractor shall provide software maintenance for a period of four (4) years for all software products included in this installation. The maintenance period shall commence upon completion of Operational Testing of this installation.

5.0   LOGISTICS SUPPORT

5.1   Updated Technical Documentation: The contractor shall provide an updated Spares/On-Board Repair Parts Lists for all sites and will update the Asset Inventory Database to reflect these installations. All OEM documentation included with each hardware and software product procured for this effort will be delivered to the site at completion of the Operational Test. At the completion of the Operational Test, the contractor will also provide a comprehensive list of this documentation for use in the Customer Service Guide.

6.0   IMPLEMENTATION SUPPORT

The contractor shall provide engineering support to PEO C4I & Space for material procurement, site data collection, site surveys, site preparation, server farm upgrade installations, configuration, integration, testing, and documentation. Contractor will complete government provided Server Farm installation upgrade training.

6.1   Data Collection and Site Survey: The contractor shall complete the following for all sites:

6.1.1   Data Collection: Collect preliminary data for the Server Farm upgrades.

6.1.2   Site Survey: Conduct a site survey which will include evaluation of system power requirements, HVAC requirements and impact, connectivity, IP addresses, test equipment, COMSEC requirements, new and reuse equipment requirements, floor and rack space, including any human engineering factors and safety issues impacting the installation.

6.2   Site Survey Report: Provide the Government with a site survey report per reference 2.0, paragraph b, appendix M, with recommendations for the proposed upgrades and BDP redline drawings, within five (5) days of the survey completion.

6.3   Installation Material Procurements: The contractor shall procure, provide and ship and store as required all installation material required to complete the upgrade implementation in accordance with government provided schedule. Material procurement will be based on the government Upgrade BOMs and redline BDPs as recorded during the site survey.

6.4   Site Activation/Installation: The contractor shall install as a minimum: racks, servers, cables, connectors, and cable tags. The site activation team will perform connectivity tests and associated modifications, to complete the upgrade implementation for all sites. Installation services will be in accordance with the government provided Upgrade Installation Documents for the respective sites, to include upgrade specific rack elevations, hardware configurations and detailed Plan of Action and Milestones (POA&M).

6.5   Server Upgrade Install and Reconfiguration: The contractor shall provide as a minimum, engineering support in the areas of Network, Information Assurance (IA), and Server Farms. Contractor engineers shall support all sites server farm upgrades and reconfiguration phase; by using Government provided server upgrade and reconfiguration procedures and checklists.

6.6   Testing: The contractor will support government development, documentation and execution of the server farm enhanced systems functional tests.

6.7   As-Built BDP: The contractor shall update the baseline (current) BDP after the server farm upgrades reconfiguration and testing to reflect the latest changes to

rack configuration/elevations, logical and networks design diagrams, wiring, cabling, cable labeling, space arrangement, power modifications, or any other technical factor or factors affecting the installation. As-built drawing packages will incorporate revised configurations. Document types and formats will be consistent with current as-built deliverables. Three (3) copies of the BDPs shall be delivered, in CD media and AUTOCAD R14 format to SSC San Diego, 30 days from completion of the server farm Operational Testing.

6.8   Server Farm Upgrade Planning Activities Support

6.8.1   <u>Upgrade Planning:</u> The contractor shall participate, as required, in server farm upgrade planning activities and meetings to discuss resources, schedule, testing, teaming, POA&M development, labor categories/skills sets, equipment delivery, shipping, and CDRLs.

6.8.2   <u>Training:</u> The contractor shall provide a minimum of six (6) engineers to receive server farm upgrade experience and training sufficient to implement server farm upgrades at regional and area ITOCs.

7.0   TRAVEL

7.1   The contractor shall travel to San Diego, Far East and Europe ITSC and ITOC sites; in support of the tasks outlined in this TRN.

8.0   GOVERNMENT ROLES AND RESPONSIBILITIES

8.1   <u>Overview:</u> The procurement and implementation support of the BLII OCONUS infrastructure will be completed under the auspices of the Voice, Video, and Data contract (ViViD). For this program, as with any program, Government oversight is a requirement to ensure both contract compliance and customer satisfaction. This section shall address how Government oversight will be provided for the BLII OCONUS implementation efforts in compliance with SPAWARINST 5200.28 and the SPAWAR Shore Installation Process Handbook, reference 2.3.

8.2   <u>Roles and Responsibilities:</u>

    a.   PEO C4I & Space provides overall acquisition and program management.

    b.   SPAWAR 04N will provide oversight and regional installation management responsibilities by providing a Far East and European Regional Coordinator in support of BLII OCONUS implementation.

    c.   SSC Charleston, South Carolina and SSC San Diego will provide a Project Engineer (PE) who will represent PEO C4I & Space and SPAWAR PMW 165 on site and is responsible for local coordination with base customers, base support for the installation team and installation test and acceptance.

    d.   SSC San Diego is assigned as the installation team leader and is responsible for providing on-site direction and tasking to the supporting engineering teams from COMPACFLT N67, COMNAVEUR N66 and General Dynamics Network Systems for completion of the installation.

    e.   CPF will provide personnel to communicate the design and test plan, assist in the Server Farm installation and will provide on-site training to the SSC San Diego and GD engineering teams to facilitate future ITSC and ITOC Server Farm installations and upgrades.

9.0   SECURITY CLEARANCE

The contractor personnel executing the tasks described in this TRN shall require at least a SECRET security clearance.

10.0   SYSTEM DELIVERY

10.1   At the completion of the Server Farm Operational Tests, the site PE will conduct a security and safety walk through of the installation. Any discrepancies or problems will be noted. The PE will provide a draft acceptance message to the site and provide feedback on the installation to the BLII Coordinator, Regional Shore Installation Manager (RSIM) and PEO C4I & Space. The PE shall be responsible for coordinating with the contractor for delivery and site acceptance of the "as built drawings".

10.2   Final Area SOVT shall be completed by the contractor in accordance with the SOVT plan it developed and delivered for the respective ITSC sites in Yokosuka and Naples and ITOC sites for Guam, La Maddalena, Souda Bay, Sasebo, Sigonella, Atsugi, Misawa, Okinawa, Korea, Singapore, Diego Garcia, United Kingdom, and Rota. The SOVT shall be delivered in accordance with the government provided schedule, prior to final site acceptance.   The basis of final acceptance includes, but is not limited to, completion of all contracted IT Infrastructure upgrades, Inside and Outside Plant (ISP/OSP), network components including all remote sites, as well as server farm and information assurance suites implementation and tests. The Site PE is responsible for ensuring all actions are accomplished per the System Turnover checklist in accordance with section 2.0, paragraph c, of this TRN.

11.0   POINTS OF CONTACT

Following personnel are PEO/SPAWAR points of contact for BLII OCONUS work.

    PEO C4I & Space Production Officer, Bill Helmick, William.helmick@navy.mil
    PEO C4I & Space European Lead, Joseph Keane, cnespawar4@naveur.navy.mil
    PEO C4I & Space Far East Lead, Rich Harvey, richard.harvey.mil

PEO C4I & Space European POC, Robert Robledo, robert.robledo@navy.mil
PEO C4I & Space Far East POC, Bob Sheldon, robert.r.sheldon@navy.mil
04N Area Installation Manager: John Walker, walkerj@spawar.navy.mil
SSC Charleston IMO Representative: Kevin Doll, kevin.doll@navy.mil
SSC San Diego IMO Representative: Bill Bebinger, bebinger@spawar.navy.mil
RSIM (Europe): Dan Wycoff, dan.wycoff@navy.mil
RSIM (Far East): Mike Dawson, dawsonm@spawar.navy.mil
BLII Coordinator(Europe): James Andrewski, james.andrewski@naveur.navy.mil
BLII Coordinator (Far East): Jeffrey Chang, jchang@spawar.navy.mil
Naples Site Project Engineer: Lee Flores, floresn@naples.navy.mil
Yokosuka Project Engineer, Mike Morrow, mmorrow@spawar.navy.mil
LaMadd, Project Engineer, Dave Sonderman, sondermanma@spawar.navy.mil
Guam Project Engineer, Frank Salas, fsalas@spawar.navy.mil
Souda Bay Project Engineer, Ernie Flores, florese@nsa.souda.navy.mil
Sasebo Project Engineer, Collin Wong, wongcry@spawar.navy.mil
Sigonella Project Engineer, Dale Richardson, richardal@spawar.navy.mil
Atsugi Project Engineer, Al Davis, devisal@spawar.navy.mil
Misawa Project Engineer, Ray Matsuno, rmatsuno@spawar.navy.mil
Okinawa Project Engineer, Kalani Kitamura, kalani@spawar.navy.mil
Korea Project Engineer, Mike Frasier, FrasherM@usfk.korea.army.mil
Singapore Project Engineer, Rick San Nicholas, rickn@spawar.navy.mil
Diego Garcia Project Engineer, Robin Hecita, rhecita@spawar.navy.mil
UK Project Engineer, Allen Crumpler, cnespawar6@naveur.navy.mil
Rota Project Engineer, Richard Larsen, larsonc@spawar.navy.mil
SSC San Diego Installation Lead: Jose Valladares, jose.valladaresj@navy.mil

CHINHAE NIPR Server Farm

<u>Qty</u>   <u>Description</u>

1   PE2650 - Files Servers

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       PERC4/DC w 128MB Cache, 2 External channels (external drives)

       Windows Server 2003 - Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   PV220S JBOD – File Storage

       Locking Bezel

       (9) 146GB 10K RPM Hard Drives

       Single U320 Enclosure Management Module

       Rapid Rails for Dell Rack

       Redundant Power Supplies

       (2) 1 Meter, 68-pin PERC/39160 Cables

4   1GB DDR DIMMs for PE2650 – Exchange Servers

CHINHAE NIPR SF, continued

Qty   Description

5   **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

8   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV132T Rackmount Library (LTO-2)**

           (1) LTO-2 Drives (200/400GB)

           (24) Tape Slots

           U160 SCSI Controller Card

           (200) LTO Media Labels

8   **(10) Pack of LTO-2 Tape Media**

1   **UPS – SymmetraRM, P/N: SYP12K12RMI (International Version)**

2   **UPS – SymmetraRM External Battery, P/N: SYRMXR4B4I (International Version)**

CHINHAE ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT U
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CHINHAE NIPR IA

Qty	Description

1   **PE1750 – SysLog Server**

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 73GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   **PE1750 –Log Storage/Backup Server**

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 146GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

8   **(10) Pack of LTO-1 Tape Media**

1   **Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU: 310-4227**

CHINHAE NIPR IA, continued

Qty   Description

1   **Dell 8 Port KVM Switchbox, SKU: 310-0968**

8   **Dell 12' Cable, 8 Port, Swth Box, KVM, Cust, SKU: 310-0970**

2   **24 Port Digital Modem Network Module for Cisco 3745 Access Server, P/N:
             NM-24DM**

2   **Modem Management Technology License for 3600/3700, P/N: MMTL-3600-
             24**

CHINHAE ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT U
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CHINHAE SIPR Server Farm

<u>Qty</u>   <u>Description</u>

1   PE2650 - Files Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        PERC4/DC w 128MB Cache, 2 External channels (external drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Print

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

CHINHAE SIPR SF, continued

Qty   Description

       Windows Server 2003 - Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   **PE2650 – Backup (BE/Altiris) Servers**

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Split Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       (2) Intel Pro 1000F NICs

       Windows Server 2003 - Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   **PE2650 – Tivoli Servers**

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Split Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       (2) Intel Pro 1000F NICs

CHINHAE SIPR SF, continued

Qty   Description

   Windows Server 2003 - Standard Edition

   Rapid Rails for Dell Rack

   Redundant Power Supplies

1 **PV220S JBOD – File Storage**

   Locking Bezel

   (8) 146GB 10K RPM Hard Drives

   Single U320 Enclosure Management Module

   Rapid Rails for Dell Rack

   Redundant Power Supplies

   (2) 1 Meter, 68-pin PERC/39160 Cables

1 **PE2650 – Proxy/Cache Server**

   (2) 2.4GHz 533MHz Processors

   1GB DDR SDRAM (2x512MB DIMMs)

   5 Bay Split Backplane (1x5)

   (2) 18GB 15K RPM Hard Drives

   PERC3/Di w 128MB Cache (internal drives)

   (2) Intel Pro 1000F NICs

   Windows Server 2003 - Standard Edition

   Rapid Rails for Dell Rack

CHINHAE SIPR SF, continued

Qty	Description

Redundant Power Supplies

1   PE2650 – Intranet Web Server

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Split Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

(2) Intel Pro 1000F NICs

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

4   1GB DDR DIMMs for PE2650 – Exchange Servers

8   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Autoloader (LTO-2)

(1)LTO-2 Drives (200/400GB)

(24) Tape Slots

U160 SCSI Controller Card

(200) LTO Media Labels

7   (10) Pack of LTO-2 Tape Media

1   Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227

CHINHAE SIPR SF, continued

<u>Qty</u>   <u>Description</u>

1   Dell 16 Port KVM SwitchBox, SKU: 310-0972

16   Dell 12' Cable, 16 Port, SWTCH BOX, KVM, CUST, SKU: 310-0978

2   Cisco Catalyst 3500-12G 10 Port GBIC and 2 Port 10/100/100TX

16   Cisco 1000Base SX Short Wavelength GBIC (WS-GS486)

1   4210 42U Dell Cabinet

          42U Rack, PS, Side Panels, Customer Install

          42U Rack, Interconnect Kit PS to PS, Customer Install

CHINHAE SIPR IA

Qty	Description

1 PE1750 – SysLog Server

> (2) 2.4GHz Processors
>
> 1GB DDR SDRAM (2x512MB DIMMs)
>
> (3) 73GB 10K RPM Hard Drives
>
> PERC4/Di w 128MB Cache (internal drives)
>
> Win2k3 Server with 5 CALs
>
> Rapid Rails for Dell Rack
>
> Redundant Power Supplies

1 PE1750 –Log Storage/Backup Server

> (2) 2.4GHz Processors
>
> 1GB DDR SDRAM (2x512MB DIMMs)
>
> (3) 146GB 10K RPM Hard Drives
>
> PERC4/Di w 128MB Cache (internal drives)
>
> Win2k3 Server with 5 CALs
>
> Rapid Rails for Dell Rack
>
> Redundant Power Supplies

8 (10) Pack of LTO-1 Tape Media

CHINHAE NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
1	Veritas BackupExec for Windows Open File Option
1	Veritas StorageCentral SRM
1	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
11	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
1	Symantec Enterprise Security Manager - Server Agent
1	Symantec Enterprise Security Manager - Additional CPUs
1	Symantec Intruder Alert - Server Agent

CHINHAE NIPR Server Farm (SF), continued

Qty	Description
1	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
701	Microsoft Windows Server 2003 CALs
701	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

CHINHAE NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance
1	Microsoft Windows Server 2003 Standard License w 5 CALs

CHINHAE ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT V
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CHINHAE NIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

CHINHAE ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT V
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CHINHAE SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

CHINHAE SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
642	Microsoft Windows Server 2003 CALs
642	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

CHINHAE SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

CHINHAE ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT V
N68939-97-D-0041/NS58-05

CHINHAE SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

ROTA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT W
N68939-97-D-0041/NS58-05

ROTA NIPR Server Farm

<u>Qty</u>   <u>Description</u>

1   **PE2650 - Files Servers**

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        PERC4/DC w 128MB Cache, 2 External channels (external drives)

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

3   **PE2650 – Print Servers**

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        Windows Server 2003 – Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

ROTA NIPR SF, continued

Qty   Description

6   1GB DDR DIMMs for PE2650 – Exchange Servers

39   146GB U320 10K RPM Hard Drives for PV220S – File Storage

17   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Library (LTO-2)

        (4) LTO-2 Drives (200/400GB)

        (54) Tape Slots

        (12) Tape Mailbox

        U160 SCSI Controller Card

        Redundant Power Supply

        (400) LTO Media Labels

38   (10) Pack of LTO-2 Tape Media

1   4210 42U Dell Cabinet

        42U Rack, PS, Side Panels, Customer Install

        42U Rack, Interconnect Kit PS to PS, Customer Install

2   Cisco Catalyst 4006 24 port 10/100/1000 cat5 RJ-45 card, P/N: WS-X4424-GB-RJ45

1   Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227

1   Dell 16 Port KVM SwitchBox, SKU: 310-0972

16   Dell 12' Cable, 16Port, SWTCH BOX, KVM, CUST, SKU: 310-0978

ROTA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT W
N68939-97-D-0041/NS58-05

ROTA NIPR IA

Qty	Description

1   PE1750 – SysLog Server

     (2) 2.4GHz Processors

     1GB DDR SDRAM (2x512MB DIMMs)

     (3) 73GB 10K RPM Hard Drives

     PERC4/Di w 128MB Cache (internal drives)

     Win2k3 Server with 5 CALs

     Rapid Rails for Dell Rack

     Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

     (2) 2.4GHz Processors

     1GB DDR SDRAM (2x512MB DIMMs)

     (3) 146GB 10K RPM Hard Drives

     PERC4/Di w 128MB Cache (internal drives)

     Win2k3 Server with 5 CALs

     Rapid Rails for Dell Rack

     Redundant Power Supplies

16   (10) Pack of LTO-1 Tape Media

1   Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU: 310-4227

ROTA NIPR IA, continued

Qty	Description

1   Dell 8 Port KVM Switchbox, SKU: 310-0968

8   Dell 12' Cable, 8 Port, Swth Box, KVM, Cust, SKU: 310-0970

Cisco 3745 Multiservice Access Router

1   3700 Access Concentrator: 2x NM-30DM, IP IOS, P/N: AS3745-E1-60

1   AC Power Supply for the Cisco 3745, P/N: PWR-3745-AC

1   Power Cord, P/N: CAB-ACE

1   Cisco 3745 Ser IOS IP, P/N: S374C-12305

1   32 to 64MB Cisco 3700 Compact Flash Factory, P/N: MEM3745-32U64CF

1   2-Port Channelized E1/T1/ISDN-PRI Network, P/N: NM-2CE1T1-PR1

1   Modem management technology license for 3600/3700, P/N: MMTL-3600-24

1   24 Port Digital Modem Network Module, P/N: NM-24DM

1   SMARTNET 8x5xNBD 3700 Access Concent, P/N: CON-SNT-AS3745E60

ROTA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT W
N68939-97-D-0041/NS58-05

ROTA SIPR Server Farm

<u>Qty</u> <u>Description</u>

1 **PE2650 - Files Servers**

    (2) 2.4GHz 533MHz Processors

    1GB DDR SDRAM (2x512MB DIMMs)

    5 Bay Backplane (1x5)

    (2) 18GB 15K RPM Hard Drives

    PERC3/Di w 128MB Cache (internal drives)

    PERC4/DC w 128MB Cache, 2 External channels (external drives)

    (2) Intel Pro 1000F NICs

    Windows Server 2003 - Standard Edition

    Rapid Rails for Dell Rack

    Redundant Power Supplies

1 **PE2650 – Print**

    (2) 2.4GHz 533MHz Processors

    1GB DDR SDRAM (2x512MB DIMMs)

    5 Bay Backplane (1x5)

    (2) 18GB 15K RPM Hard Drives

    PERC3/Di w 128MB Cache (internal drives)

    (2) Intel Pro 1000F NICs

ROTA SIPR SF, continued

Qty   Description

         Windows Server 2003 - Standard Edition

         Rapid Rails for Dell Rack

         Redundant Power Supplies

4   **1GB DDR DIMMs for PE2650 – Exchange Servers**

5   **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

8   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV132T Rackmount Autoloader (LTO-2)**

         (1)LTO-2 Drives (200/400GB)

         (24) Tape Slots

         U160 SCSI Controller Card

         (200) LTO Media Labels

4   **(10) Pack of LTO-2 Tape Media**

2   **Cisco Catalyst 3550-12G 10 Port GBIC and 2 Port 10/100/100TX**

24   **Cisco 1000Base SX Short Wavelength GBIC (WS-G5486)**

1   **4210 42U Dell Cabinet**

         42U Rack, PS, Side Panels, Customer Install

         42U Rack, Interconnect Kit PS to PS, Customer Install

8   **Intel Pro 1000MF Fiber Gigabit Network Adapter**

1   **Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227**

1   **Dell 16 Port KVM SwitchBox, SKU: 310-0972**

ROTA ITOC HARDWARE BOM
ATTACHMENT W
N68939-97-D-0041/NS58-05

ROTA SIPR SF, continued

<u>Qty</u>   <u>Description</u>

16   Dell 12' Cable, 16 Port, SWTCH BOX, KVM, CUST, SKU: 310-0978

ROTA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT W
N68939-97-D-0041/NS58-05

ROTA SIPR IA

<u>Qty</u>   <u>Description</u>

1   PE1750 – SysLog Server

     (2) 2.4GHz Processors

     1GB DDR SDRAM (2x512MB DIMMs)

     (3) 73GB 10K RPM Hard Drives

     PERC4/Di w 128MB Cache (internal drives)

     Win2k3 Server with 5 CALs

     Rapid Rails for Dell Rack

     Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

     (2) 2.4GHz Processors

     1GB DDR SDRAM (2x512MB DIMMs)

     (3) 146GB 10K RPM Hard Drives

     PERC4/Di w 128MB Cache (internal drives)

     Win2k3 Server with 5 CALs

     Rapid Rails for Dell Rack

     Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

ROTA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT X
N68939-97-D-0041/NS58-05

ROTA NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
3	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
3	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
20	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent

ROTA NIPR Server Farm (SF), continued

Qty	Description
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
3578	Microsoft Windows Server 2003 CALs
3578	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

ROTA NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

ROTA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT X
N68939-97-D-0041/NS58-05

ROTA NIPR Information Assurance

Qty   Description

0   Veritas BackupExec for Windows Server v9.0

1   Veritas BackupExec Admin Plus Pack

2   Veritas BackupExec for Windows Open File Option

6   Altiris Deployment Solution Licenses

2   Symantec Enterprise Security Manager - Server Agent

2   Symantec Enterprise Security Manager - Additional CPUs

2   Symantec Intruder Alert - Server Agent

2   Symantec Intruder Alert - Additional CPUs

0   Microsoft ISA Enterprise Edition (Per CPU)

ROTA SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

ROTA SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
286	Microsoft Windows Server 2003 CALs
286	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

ROTA SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

ROTA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT X
N68939-97-D-0041/NS58-05

ROTA SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

UK NIPR Server Farm

<u>Qty</u>   <u>Description</u>

2   PE2650 - Files Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        PERC4/DC w 128MB Cache, 2 External channels (external drives)

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

2   PE2650 – Print Servers

        (2) 2.4GHz 533 MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        Windows Server 2003 – Standard Edition

        Rapid Rails for Dell Rack

UK NIPR SF, continued

Qty   Description
          Redundant Power Supplies

4   **1GB DDR DIMMs for PE2650 – Exchange Servers**

22   **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

10   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV136T Rackmount Library (LTO-2)**

          (2) LTO-2 Drives (200/400GB)

          (54) Tape Slots

          (12) Tape Mailbox

          U160 SCSI Controller Card

          Redundant Power Supply

          (400) LTO Media Labels

20   **(10) Pack of LTO-2 Tape Media**

2   **Cisco Catalyst 6509 16 port 10/100/1000 cat5 RJ-45 card, P/N: WS-X6516-GE-TX**

1   **Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU 310-4227**

1   **Dell 8 Port KVM Switchbox, SKU 310-0968**

8   **Dell 12' Cable, 8 Port, Swth Box, KVM, Cust, SKU 310-0970**

UK ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT Y
N68939-97-D-0041/NS58-05

UK NIPR IA

<u>Qty</u>   <u>Description</u>

1   PE1750 – SysLog Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 73GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 146GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

       Cisco 3745 Multiservice Access Router

UK NIPR IA, continued

Qty	Description
1	3700 Access Concentrator: 2x NM-30DM, IP, IOS, P/N: AS3745-E1-60
1	AC Power Supply for the Cisco 3745, P/N: PWR-3745-AC
1	Power Cord, P/N: CAB-ACU
1	Cisco 3745 Ser IOS IP, P/N: S374C-12305
1	32 to 64MB Cisco 3700 Compact Flash Factory, P/N: MEM3745-32U64CF
1	2-Port Channelized E1/T1/ISDN-PRI Network, P/N: NM-2CE1T1-PR1
1	Modem management technology license for 3600/3700, P/N: MMTL-3600-24
1	24 Port Digital Modem Network Module, P/N: NM-24DM
1	SMARTNET 8x5xNBD 3700 Access Concent, P/N: CON-SNT-AS3745E60

UK ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT Y
N68939-97-D-0041/NS58-05

UK SIPR Server Farm

Qty   Description

1   PE2650 - Files Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        PERC4/DC w 128MB Cache, 2 External channels (external drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Print Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

UK SIPR SF, continued

Qty   Description

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Tivoli Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

2   PE2650 – Bridgehead Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (2+3)

        (2) 18GB 15K RPM Hard Drives

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

UK SIPR SF, continued

Qty   Description

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

2   PE2650 – Proxy/Cache Server

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

2   PE2650 – Intranet Web Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

UK SIPR SF, continued

<u>Qty</u>   <u>Description</u>

Windows Server 2003 – Enterprise Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

4   1GB DDR DIMMs for PE2650 – Exchange Servers

13   146GB U320 10K RPM Hard Drives for PV220S – File Storage

10   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Autoloader (LTO-2)

(2)LTO-2 Drives (200/400GB)

(24) Tape Slots

U160 SCSI Controller Card

(200) LTO Media Labels

14   (10) Pack of LTO-2 Tape Media

1   Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227

1   Dell 16 Port KVM SwitchBox, SKU: 310-0972

16   Dell 12' Cable, 16 Port, SWTCH BOX, KVM, CUST, SKU: 310-0978

2   Cisco Catalyst 3500-12G 10 Port GBIC and 2 Port 10/100/100TX

20   Cisco 1000Base SX Short Wavelength GBIC (WS-GS486)

1   4210 42U Dell Cabinet

42U Rack, PS, Side Panels, Customer Install

42U Rack, Interconnect Kit PS to PS, Customer Install

UK SIPR SF, continued

Qty	Description
2	**Cisco 4006 6-Port GigE Module, P/N: WS-X4306-GB**
2	**Intel Pro 1000MF Fiber Gigabit Network Adapter, SKU 420-04029**

UK ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT Y
N68939-97-D-0041/NS58-05

UK SIPR IA

<u>Qty</u>   <u>Description</u>

1   **PE1750 – SysLog Server**

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 73GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   **PE1750 –Log Storage/Backup Server**

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 146GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

8   **(10) Pack of LTO-1 Tape Media**

UK NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
3	Veritas BackupExec for Windows Open File Option
2	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
17	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
3	Symantec Enterprise Security Manager - Server Agent
3	Symantec Enterprise Security Manager - Additional CPUs
3	Symantec Intruder Alert - Server Agent

UK NIPR Server Farm (SF), continued

Qty	Description
3	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
1838	Microsoft Windows Server 2003 CALs
1838	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

UK NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

UK ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT Z
N68939-97-D-0041/NS58-05

UK NIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
7	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

UK ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT Z
N68939-97-D-0041/NS58-05

UK SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec for Windows Library Expansion Module
10	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
14	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
10	Symantec Enterprise Security Manager - Server Agent
10	Symantec Enterprise Security Manager - Additional CPUs
10	Symantec Intruder Alert - Server Agent

UK SIPR Server Farm, continued

Qty	Description
10	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
1246	Microsoft Windows Server 2003 CALs
1246	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1

UK SIPR Server Farm, continued

Qty	Description
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

UK ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT Z
N68939-97-D-0041/NS58-05

UK SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
5	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

MISAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AA
N68939-97-D-0041/NS58-05

MISAWA NIPR Server Farm

<u>Qty</u>   <u>Description</u>

2   PE2650 - Files Servers

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       PERC4/DC w 128MB Cache, 2 External channels (external drives)

       Windows Server 2003 - Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

2   PE2650 – Print Servers

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       Windows Server 2003 – Standard Edition

       Rapid Rails for Dell Rack

MISAWA NIPR SF, continued

<u>Qty</u> <u>Description</u>

4 **1GB DDR DIMMs for PE2650 – Exchange Servers**

20 **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

10 **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1 **PV132T Rackmount Library (LTO-2)**

   (2) LTO-2 Drives (200/400GB)

   (24) Tape Slots

   U160 SCSI Controller Card

   (200) LTO Media Labels

19 **(10) Pack of LTO-2 Tape Media**

MISAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AA
N68939-97-D-0041/NS58-05

MISAWA NIPR IA

Qty   Description

1   **PE1750 – SysLog Server**

         (2) 2.4GHz Processors

         1GB DDR SDRAM (2x512MB DIMMs)

         (3) 73GB 10K RPM Hard Drives

         PERC4/Di w 128MB Cache (internal drives)

         Win2k3 Server with 5 CALs

         Rapid Rails for Dell Rack

         Redundant Power Supplies

1   **PE1750 –Log Storage/Backup Server**

         (2) 2.4GHz Processors

         1GB DDR SDRAM (2x512MB DIMMs)

         (3) 146GB 10K RPM Hard Drives

         PERC4/Di w 128MB Cache (internal drives)

         Win2k3 Server with 5 CALs

         Rapid Rails for Dell Rack

         Redundant Power Supplies

8   **(10) Pack of LTO-1 Tape Media**

2   **24 Port Digital Modem Network Module for ComServer Cisco 3745, P/N: NM-24DM**

MISAWA NIPR IA, continued

Qty   Description

2   Modem Management Technology License for 3600/3700, P/N: MMTL-3600-24

MISAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AA
N68939-97-D-0041/NS58-05

MISAWA SIPR Server Farm

Qty   Description

1   PE2650 - Files Servers

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

PERC4/DC w 128MB Cache, 2 External channels (external drives)

(2) Intel Pro 1000F NICs

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

1   PE2650 – Print

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

(2) Intel Pro 1000F NICs

MISAWA SIPR SF, continued

Qty   Description

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

4   1GB DDR DIMMs for PE2650 – Exchange Servers

7   146GB U320 10K RPM Hard Drives for PV220S – File Storage

8   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Autoloader (LTO-2)

(1)LTO-2 Drives (200/400GB)

(24) Tape Slots

U160 SCSI Controller Card

(200) LTO Media Labels

5   (10) Pack of LTO-2 Tape Media

1   Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227

1   Dell 8 Port KVM SwitchBox, SKU: 310-0968

8   Dell 12' Cable, 8 Port, SWTCH BOX, KVM, CUST, SKU: 310-0970

2   Cisco Catalyst 3500-12G 10 Port GBIC and 2 Port 10/100/100TX

18   Cisco 1000Base SX Short Wavelength GBIC (WS-G5486)

1   4210 42U Dell Cabinet

42U Rack, PS, Side Panels, Customer Install

MISAWA SIPR SF, continued

<u>Qty</u>   <u>Description</u>

       42U Rack, Interconnect Kit PS to PS, Customer Install

8   **Intel Pro 1000MF Fiber Gigabit Network Adapter**

MISAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AA
N68939-97-D-0041/NS58-05

MISAWA SIPR IA

<u>Qty</u>   <u>Description</u>

1   PE1750 – SysLog Server

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 73GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 146GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

MISAWA NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
1	Veritas BackupExec for Windows Open File Option
2	Veritas StorageCentral SRM
1	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
15	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
1	Symantec Enterprise Security Manager - Server Agent
1	Symantec Enterprise Security Manager - Additional CPUs
1	Symantec Intruder Alert - Server Agent

MISAWA NIPR Server Farm (SF), continued

Qty	Description
1	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
1730	Microsoft Windows Server 2003 CALs
1730	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

MISAWA NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

MISAWA NIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

MISAWA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AB
N68939-97-D-0041/NS58-05

MISAWA SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

MISAWA SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
470	Microsoft Windows Server 2003 CALs
470	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

MISAWA SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

MISAWA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AB
N68939-97-D-0041/NS58-05

MISAWA SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

DIEGO GARCIA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AC
N68939-97-D-0041/NS58-05

DIEGO GARCIA NIPR Server Farm

Qty   Description

1   **PE2650 - Print Servers**

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

2   **PE2650 – Tivoli Gateway**

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

DIEGO GARCIA NIPR SF, continued

<u>Qty</u>   <u>Description</u>

4   **1GB DDR DIMMs for PE2650 – Exchange Servers**

14   **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

10   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV132T Rackmount Library (LTO-2)**

             (2) LTO-2 Drives (200/400GB)

             (24) Tape Slots

             U160 SCSI Controller Card

             (200) LTO Media Labels

14   **(10) Pack of LTO-2 Tape Media**

DIEGO GARCIA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AC
N68939-97-D-0041/NS58-05

DIEGO GARCIA NIPR IA

Qty   Description

1   PE1750 – SysLog Server

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 73GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 146GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

**2   24 Port Digital Modem Network Module for ComServer Cisco 3745, P/N:
NM-24DM**

DIEGO GARCIA NIPR IA, continued

<u>Qty</u>   <u>Description</u>

**2   Modem Management Technology License for 3600/3700, P/N: MMTL-3600-
24**

DIEGO GARCIA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AC
N68939-97-D-0041/NS58-05

DIEGO GARCIA SIPR Server Farm

Qty   Description

1   PE2650 – File Servers

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Split Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

PERC4/Dc w 128MB Cache, 2 External channels (external drives)

(2) Intel Pro 1000F NICs

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

1   PE2650 – Print

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Split Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

(2) Intel Pro 1000F NICs

DIEGO GARCIA SIPR SF, continued

Qty   Description

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Proxy/Cache Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (2+3)

        (2) 18GB 15K RPM Hard Drives

        (3) 36GB 10K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Intranet Web Server

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (2+3)

        (2) 18GB 15K RPM Hard Drives

DIEGO GARCIA SIPR SF, continued

Qty   Description

        (3) 36GB 10K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

4   **1GB DDR DIMMs for PE2650 – Exchange Servers**

4   **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

8   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV132T Rackmount Autoloader (LTO-2)**

        (1)LTO-2 Drives (200/400GB)

        (24) Tape Slots

        U160 SCSI Controller Card

        (200) LTO Media Labels

3   **(10) Pack of LTO-2 Tape Media**

1   **Dell Cus, 1U Rack Console, KMM, 15, RPD-RAIL, SKU: 310-4227**

1   **Dell 8 Port KVM SwitchBox, SKU: 310-0968**

8   **Dell 12' Cable, 8 Port, SWTCH BOX, KVM, CUST, SKU: 310-0970**

2   **Cisco Catalyst 3550-12G 10 Port GBIC and 2 Port 10/100/100TX**

14   **Cisco 1000Base SX Short Wavelength GBIC, (WS-G5486**)

DIEGO GARCIA SIPR SF, continued

Qty   Description

1   **4210 42U Dell Cabinet**

        42U Rack, PS, Side Panels, Customer Install

        42U Rack, Interconnect Kit PS to PS, Customer Install

4   **Intel Pro 1000MF Fiber Gigabit Network Adapter**

DIEGO GARCIA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AC
N68939-97-D-0041/NS58-05

DIEGO GARCIA SIPR IA

<u>Qty</u>   <u>Description</u>

1   PE1750 – SysLog Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 73GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 146GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

DIEGO GARCIA NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
1	Veritas BackupExec for Windows Open File Option
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
13	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
1	Symantec Enterprise Security Manager - Server Agent
1	Symantec Enterprise Security Manager - Additional CPUs
1	Symantec Intruder Alert - Server Agent

DIEGO GARCIA NIPR Server Farm (SF), continued

Qty	Description
1	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
1262	Microsoft Windows Server 2003 CALs
1262	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

DIEGO GARCIA NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance
1	Microsoft Windows Server 2003 Standard License w 5 CALs

DIEGO GARCIA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AD
N68939-97-D-0041/NS58-05

DIEGO GARCIA NIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

DIEGO GARCIA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AD
N68939-97-D-0041/NS58-05

DIEGO GARCIA SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

DIEGO GARCIA SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
186	Microsoft Windows Server 2003 CALs
186	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

DIEGO GARCIA SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

DIEGO GARCIA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AD
N68939-97-D-0041/NS58-05

DIEGO GARCIA SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

ATSUGI ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AE
N68939-97-D-0041/NS58-05

ATSUGI NIPR Server Farm

Qty   Description

4   PE2650 – Files Servers

       (2) 2.4GHz 533 MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplance (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       PERC4/DC w 128MB Cache, 2 External channels (external drives)

       Windows Server 2003 – Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   PE2650 – Print Servers

       (2) 2.4GHz 533 MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplance (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       Windows Server 2003 – Standard Edition

       Rapid Rails for Dell Rack

Redundant Power Supplies

1   **PV220S JBOB – File Storage**

Locking Bezel

(9) 146GB 10K RPM Hard Drives

Dual U320 Enclosure Management Module

Rapid Rails for Dell Rack

Redundant Power Supplies

(2) 4 Meter, 68-pin PERC/39160 Cables

8   **1GB DDR DIMMs for PE2650 – Exchange Servers**

63   **146GB U320 10K RPM Hard Drives for PV220S – File Storage**

24   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV136T Rackmount Library (LTO-2)**

(6) LTO-2 Drives (200/400GB)

(54) Tape Slots

(12) Tape Mailbox

U160 SCSI Controller Card

Redundant Power Supply

(400) LTO Media Labels

60   **(10) Pack of LTO-2 Tape Media**

ATSUGI NIPR IA

Qty   Description

1   PE1750 – SysLog Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3)73GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   PE1750 – Log Storage/Backup Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x5122x512MB DIMMs)

       (3) 146GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

16   (10) Pack of LTO-1 Tape Media

1   4210 42U Dell Cabinet

       42U Rack, PS, Side Panels, Customer Install
       42U Rack, Interconnect Kit PS to PS, Customer Install

1   Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU 310-4227

1   Dell 8 Port KVM Switchbox, SKU 310-0968

ATSUGI SIPR Server Farm

Qty	Description
1	**PE2650 - Files Servers**

     (2) 2.4GHz 533MHz Processors

     1GB DDR SDRAM (2x512MB DIMMs)

     5 Bay Backplane (1x5)

     (2) 18GB 15K RPM Hard Drives

     PERC3/Di w 128MB Cache (internal drives)

     PERC4/DC w 128MB Cache, 2 External channels (external drives)

     Windows Server 2003 - Standard Edition

     Rapid Rails for Dell Rack

     Redundant Power Supplies

1   PV220S JBOD – File Storage

     Locking Bezel

     (8) 146GB 10K RPM Hard Drives

     Dual U320 Enclosure Management Module

     Rapid Rails for Dell Rack

     Redundant Power Supplies

     (2) 4 Meter, 68-pin PERC/39160 Cables

4   1GB DDR DIMMs for PE2650 – Exchange Servers

8   146GB U320 10K RPM Hard Drives for PV220S – File Storage

8   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Autoloader (LTO-2)

     (1)LTO-2 Drives (200/400GB)

(24) Tape Slots

U160 SCSI Controller Card

(200) LTO Media Labels

7   **(10) Pack of LTO-2 Tape Media**

1   **Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227**

1   **Dell 16 Port KVM SwitchBox, SKU: 310-0972**

16   **Dell 12' Cable, 16 Port, SWTCH BOX, KVM, CUST, SKU: 310-0978**

1   **4210 42U Dell Cabinet**

42U Rack, PS, Side Panels, Customer Install
42U Rack, Interconnect Kit PS to PS, Customer Install

2   **3550-12G 10Port GBIC and 2 Port 10/100/100TX, P/N: WS-C3550-12G + CAB-ACE**

20   **Cisco 1000Base SX MM GBIC P/N: WS-G5486**

10   **Intel Pro 1000MF Fiber Gigabit Network Adapter, SKU 420-04029**

ATSUGI SIPR IA

Qty   Description _____

1   PE1750 – SysLog Server

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 73GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

        (2) 2.4GHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        (3) 146GB 10K RPM Hard Drives

        PERC4/Di w 128MB Cache (internal drives)

        Win2k3 Server with 5 CALs

        Rapid Rails for Dell Rack

        Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

ATSUGI ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AF
N68939-97-D-0041/NS58-05

ATSUGI NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
5	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
0	Veritas BackupExec for Windows Open File Option
4	Veritas StorageCentral SRM
1	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
25	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
0	Symantec Enterprise Security Manager - Server Agent
0	Symantec Enterprise Security Manager - Additional CPUs
0	Symantec Intruder Alert - Server Agent

ATSUGI NIPR Server Farm (SF), continued

Qty	Description
0	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
5681	Microsoft Windows Server 2003 CALs
5681	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

ATSUGI NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance
3	Microsoft Windows Server 2003 Standard License w 5 CALs

ATSUGI ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AF
N68939-97-D-0041/NS58-05

ATSUGI NIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

ATSUGI ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AF
N68939-97-D-0041/NS58-05

ATSUGI SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

ATSUGI SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
2	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
2	Microsoft SQL Server 2000 – Standard Edition
582	Microsoft Windows Server 2003 CALs
582	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

ATSUGI SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance
1	Microsoft Windows Server 2003 Standard License w 5 CALs

ATSUGI ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AF
N68939-97-D-0041/NS58-05

ATSUGI SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

OKINAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AG
N68939-97-D-0041/NS58-05

OKINAWA NIPR Server Farm

Qty   Description

1   **PE2650 - Tivoli Servers**

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

4   **1GB DDR DIMMs for PE2650 – Exchange Servers**

10   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

9   **146GB Hard Drives for PV220S – File (SSC/JB)**

1   **PV132T Rackmount Library (LTO-2)**

        (2) LTO-2 Drives (200/400GB)

        (24) Tape Slots

        U160 SCSI Controller Card

        (200) LTO Media Labels

15   **(10) Pack of LTO-2 Tape Media**

OKINAWA NIPR SF, continued

Qty	Description
1	**Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU 310-4227**
1	**Dell 8 Port KVM Switchbox, SKU 310-0968**
8	**Dell 12' Cable, 8 Port, Swth Box, KVM, Cust, SKU 310-0970**

OKINAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AG
N68939-97-D-0041/NS58-05

OKINAWA NIPR IA

Qty   Description

1   PE1750 – SysLog Server

      (2) 2.4GHz Processors

      1GB DDR SDRAM (2x512MB DIMMs)

      (3) 73GB 10K RPM Hard Drives

      PERC4/Di w 128MB Cache (internal drives)

      Win2k3 Server with 5 CALs

      Rapid Rails for Dell Rack

      Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

      (2) 2.4GHz Processors

      1GB DDR SDRAM (2x512MB DIMMs)

      (3) 146GB 10K RPM Hard Drives

      PERC4/Di w 128MB Cache (internal drives)

      Win2k3 Server with 5 CALs

      Rapid Rails for Dell Rack

      Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

OKINAWA NIPR IA, continued

Qty   Description

1   **Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU: 310-4227**

1   **Dell 8 Port KVM Switchbox, SKU: 310-0968**

8   **Dell 12' Cable, 8 Port, Swth Box, KVM, Cust, SKU: 310-0970**

2   **24 Port Digital Modem Network Module for Cisco 3745 Access Server, P/N: NM-24DM**

2   **Modem Management Technology License for 3600/3700, P/N: MMTL-3600-24**

OKINAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AG
N68939-97-D-0041/NS58-05

OKINAWA SIPR Server Farm

<u>Qty</u>   <u>Description</u>

1   **PE2650 – Backup (BE/Altiris) Servers**

        (2) 2.4GHz 533MHz Processors

        2GB DDR SDRAM (2x1GB DIMMs)

        5 Bay Split Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   **PE2650 – Tivoli Servers**

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

OKINAWA SIPR SF, continued

Qty	Description

Rapid Rails for Dell Rack

Redundant Power Supplies

1   PE2650 - Files Servers

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

PERC4/DC w 128MB Cache, 2 External channels (external drives)

(2) Intel Pro 1000F NICs

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

1   PE2650 – Print Servers

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

(2) Intel Pro 1000F NICs

OKINAWA SIPR SF, continued

Qty   Description

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

1   PE2650 – Proxy/Cache Server

(2) 2.4GHz 533MHz Processors

2GB DDR SDRAM (2x1GB DIMMs)

5 Bay Split Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

(2) Intel Pro 1000F NICs

Windows Server 2003 - Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

1   PE2650 – Intranet Web Server

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Split Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

(2) Intel Pro 1000F NICs

OKINAWA SIPR SF, continued

Qty   Description

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

4   **1GB DDR DIMMs for PE2650 – Exchange Servers**

6   **146GB Hard Drives for PV220S – File (SSC/JB)**

8   **73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage**

1   **PV132T Rackmount Autoloader (LTO-2)**

        (1)LTO-2 Drives (200/400GB)

        (24) Tape Slots

        U160 SCSI Controller Card

        (200) LTO Media Labels

5   **(10) Pack of LTO-2 Tape Media**

1   **Dell Cus, 1U Rack Console, KMM, 15, RPD-RAIL, SKU: 310-4227**

1   **Dell 8 Port KVM SwitchBox, SKU: 310-0968**

8   **Dell 12' Cable, 8 Port, SWTCH BOX, KVM, CUST, SKU: 310-0970**

1   **4210 42U Dell Cabinet**

        42U Rack, PS, Side Panels, Customer Install

        42U Rack, Interconnect Kit PS to PS, Customer Install

2   **3550-12G 10 Port GBIC and 2 Port 10/100/1000TX, P/N: WS-C3550-12G + CAB-ACE**

OKINAWA SIPR SF, continued

Qty   Description

18   Cisco 1000Base SX MM GBIC, P/N: WS-G5484

OKINAWA ITOC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AG
N68939-97-D-0041/NS58-05

OKINAWA SIPR IA

Qty   Description

1   PE1750 – SysLog Server

      (2) 2.4GHz Processors

      1GB DDR SDRAM (2x512MB DIMMs)

      (3) 73GB 10K RPM Hard Drives

      PERC4/Di w 128MB Cache (internal drives)

      Win2k3 Server with 5 CALs

      Rapid Rails for Dell Rack

      Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

      (2) 2.4GHz Processors

      1GB DDR SDRAM (2x512MB DIMMs)

      (3) 146GB 10K RPM Hard Drives

      PERC4/Di w 128MB Cache (internal drives)

      Win2k3 Server with 5 CALs

      Rapid Rails for Dell Rack

      Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

OKINAWA NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
0	Veritas BackupExec for Windows Open File Option
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
13	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
0	Symantec Enterprise Security Manager - Server Agent
0	Symantec Enterprise Security Manager - Additional CPUs
0	Symantec Intruder Alert - Server Agent

OKINAWA NIPR Server Farm (SF), continued

Qty   Description

Qty	Description
0	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)
1400	Microsoft Windows Server 2003 CALs
1400	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms

OKINAWA NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance
2	Microsoft Windows Server 2003 Standard License w 5 CALs

OKINAWA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AH
N68939-97-D-0041/NS58-05

OKINAWA NIPR Information Assurance

Qty   Description

0   Veritas BackupExec for Windows Server v9.0

1   Veritas BackupExec Admin Plus Pack

2   Veritas BackupExec for Windows Open File Option

6   Altiris Deployment Solution Licenses

2   Symantec Enterprise Security Manager - Server Agent

2   Symantec Enterprise Security Manager - Additional CPUs

2   Symantec Intruder Alert - Server Agent

2   Symantec Intruder Alert - Additional CPUs

0   Microsoft ISA Enterprise Edition (Per CPU)

OKINAWA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AH
N68939-97-D-0041/NS58-05

OKINAWA SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

OKINAWA SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
406	Microsoft Windows Server 2003 CALs
406	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

OKINAWA SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance
0	Microsoft Windows Server 2003 Standard License w 5 CALs

OKINAWA ITOC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AH
N68939-97-D-0041/NS58-05

OKINAWA SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

SINGAPORE ITSC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AI
N68939-97-D-0041/NS58-05

SINGAPORE NIPR Server Farm

Qty   Description

1   PE2650 - Files Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        PERC4/DC w 128MB Cache, 2 External channels (external drives)

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Print Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Backplane (1x5)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        Windows Server 2003 – Standard Edition

        Rapid Rails for Dell Rack

SINGAPORE NIPR SF, continued

Qty	Description

Redundant Power Supplies

1 PE2650 – Proxy/Cache Servers

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

Windows Server 2003 – Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

1 PE2650 – Intranet Web Servers

(2) 2.4GHz 533MHz Processors

1GB DDR SDRAM (2x512MB DIMMs)

5 Bay Backplane (1x5)

(2) 18GB 15K RPM Hard Drives

PERC3/Di w 128MB Cache (internal drives)

Windows Server 2003 – Standard Edition

Rapid Rails for Dell Rack

Redundant Power Supplies

SINGAPORE NIPR SF, continued

Qty	Description

1   PE2650 – Backup (BE/Altiris) Servers

>   (2) 2.4GHz 533MHz Processors
>
>   1GB DDR SDRAM (2x512MB DIMMs)
>
>   5 Bay Backplane (1x5)
>
>   (2) 18GB 15K RPM Hard Drives
>
>   PERC3/Di w 128MB Cache (internal drives)
>
>   Windows Server 2003 – Standard Edition
>
>   Rapid Rails for Dell Rack
>
>   Redundant Power Supplies

1   PV220S JBOD – File Storage

>   Locking Bezel
>
>   (7) 146GB 10K RPM Hard Drives
>
>   Single U320 Enclosure Management Module
>
>   Rapid Rails for Dell Rack
>
>   Redundant Power Supplies
>
>   (2) 1 Meter, 68-pin PERC/39160 Cables

4   1GB DDR DIMMs for PE2650 – Exchange Servers

8   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Autoloader (LTO-2)

>   (1) LTO-2 Drives (200/400GB)

SINGAPORE NIPR SF, continued

Qty   Description

        (24) Tape Slots

        U160 SCSI Controller Card

        (200) LTO Media Labels

6   **(10) Pack of LTO-2 Tape Media**

1   **Dell CUS, 1U Rack Console, KMM, 15, RPD-RAIL, SKU 310-4227**

1   **Dell 8 Port KVM Switchbox, SKU 310-0968**

7   **Dell 12' Cable, 8 Port, Swth Box, KVM, Cust, SKU 310-0970**

2   **Cisco Catalyst 3550-12T 2 Port GBIC and 10 Port 10/100/100TX, P/N: WS-C3550-12T + CAB-AC**

8   **Cisco 1000Base LX SM GBIC, P/N: WS-G5486**

SINGAPORE NIPR IA

Qty   Description

1   PE1750 – SysLog Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 73GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   PE1750 –Log Storage/Backup Server

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 146GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

8   (10) Pack of LTO-1 Tape Media

2   24 Port Digital Modem Network Module for RAS 3745, P/N: NM-24DM

SINGAPORE NIPR IA, continued

Qty   Description

2   Modem Management Technology License for 3600/3700, P/N: MMTL-3600-3700

SINGAPORE ITSC HARDWARE BILL OF MATERIALS (BOM)
ATTACHMENT AI
N68939-97-D-0041/NS58-05

SINGAPORE SIPR Server Farm

Qty   Description

1   PE2650 - Files Servers

         (2) 2.4GHz 533MHz Processors

         1GB DDR SDRAM (2x512MB DIMMs)

         5 Bay Backplane (1x5)

         (2) 18GB 15K RPM Hard Drives

         PERC3/Di w 128MB Cache (internal drives)

         PERC4/DC w 128MB Cache, 2 External channels (external drives)

         (2) Intel Pro 1000F NICs

         Windows Server 2003 - Standard Edition

         Rapid Rails for Dell Rack

         Redundant Power Supplies

1   PE2650 – Print

         (2) 2.4GHz 533MHz Processors

         1GB DDR SDRAM (2x512MB DIMMs)

         5 Bay Backplane (1x5)

         (2) 18GB 15K RPM Hard Drives

         PERC3/Di w 128MB Cache (internal drives)

         (2) Intel Pro 1000F NICs

SINGAPORE SIPR SF, continued

<u>Qty</u>   <u>Description</u>

       Windows Server 2003 - Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   **PE2650 – Backup (BE/Altiris) Servers**

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       (2) Intel Pro 1000F NICs

       Windows Server 2003 - Standard Edition

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   **PE2650 – Tivoli Servers**

       (2) 2.4GHz 533MHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       5 Bay Backplane (1x5)

       (2) 18GB 15K RPM Hard Drives

       PERC3/Di w 128MB Cache (internal drives)

       (2) Intel Pro 1000F NICs

SINGAPORE SIPR SF, continued

Qty   Description

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Proxy/Cache Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (2+3)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PE2650 – Intranet Web Servers

        (2) 2.4GHz 533MHz Processors

        1GB DDR SDRAM (2x512MB DIMMs)

        5 Bay Split Backplane (2+3)

        (2) 18GB 15K RPM Hard Drives

        PERC3/Di w 128MB Cache (internal drives)

        (2) Intel Pro 1000F NICs

SINGAPORE SIPR SF, continued

Qty   Description

        Windows Server 2003 - Standard Edition

        Rapid Rails for Dell Rack

        Redundant Power Supplies

1   PV220S JBOD – File Storage

        Locking Bezel

        (6) 146GB 10K RPM Hard Drives

        Single U320 Enclosure Management Module

        Rapid Rails for Dell Rack

        Redundant Power Supplies

        (2) 1 Meter, 68-pin PERC/39160 Cables

4   1GB DDR DIMMs for PE2650 – Exchange Servers

8   73GB U320 15K RPM Hard Drives for PV220S – Exchange Storage

1   PV132T Rackmount Autoloader (LTO-2)

        (1)LTO-2 Drives (200/400GB)

        (24) Tape Slots

        U160 SCSI Controller Card

        (200) LTO Media Labels

5   (10) Pack of LTO-2 Tape Media

1   Dell Cus, 1U Rack Console, KMM, 15 RPD-RAIL, SKU: 310-4227

1   Dell 8 Port KVM SwitchBox, SKU: 310-0968

SINGAPORE SIPR SF, continued

<u>Qty</u>   <u>Description</u>

8   **Dell 12' Cable, 8 Port, SWTCH BOX, KVM, CUST, SKU: 310-0970**

1   **4210 42U Dell Cabinet**

          42U Rack, PS, Side Panels, Customer Install
          42U Rack, Interconnect Kit PS to PS, Customer Install

2   **3550-12G 10Port GBIC and 2 Port 10/100/100TX, P/N: WS-C3550-12G +
          CAB-ACE**

20   **Cisco 1000Base SX MM GBIC P/N: WS-G5486**

SINGAPORE SIPR IA

<u>Qty</u>   <u>Description</u>

1   **PE1750 – SysLog Server**

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 73GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

1   **PE1750 –Log Storage/Backup Server**

       (2) 2.4GHz Processors

       1GB DDR SDRAM (2x512MB DIMMs)

       (3) 146GB 10K RPM Hard Drives

       PERC4/Di w 128MB Cache (internal drives)

       Win2k3 Server with 5 CALs

       Rapid Rails for Dell Rack

       Redundant Power Supplies

8   **(10) Pack of LTO-1 Tape Media**

SINGAPORE ITSC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AJ
N68939-97-D-0041/NS58-05

SINGAPORE NIPR Server Farm (SF):

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
1	Veritas BackupExec Admin Plus Pack
5	Veritas BackupExec for Windows Open File Option
1	Veritas StorageCentral SRM
1	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
11	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
5	Symantec Enterprise Security Manager - Server Agent
5	Symantec Enterprise Security Manager - Additional CPUs
5	Symantec Intruder Alert - Server Agent

SINGAPORE NIPR Server Farm (SF), continued

Qty   Description

5   Symantec Intruder Alert - Additional CPUs

0   Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)

0   Microsoft SQL Server 2000 – Enterprise Edition (Per CPU)

520   Microsoft Windows Server 2003 CALs

520   Microsoft Exchange Server 2003 CALs

0   Remedy Help Desk (English) APP NT

0   Remedy Help Desk Fixed LSN 5-Pk

0   Remedy Help Desk Floating LSN 5-Pk

0   Remedy Asset Management (English) APP NT

0   Remedy Asset Management Fixed LSN 5-Pk

0   Remedy Asset Management Floating LSN 5-Pk

0   Remedy Change Management (English) APP NT

0   Remedy Change Management Fixed LSN 5-Pk

0   Remedy Change Management Floating LSN 5-Pk

0   Remedy SLA (English) APP w 5 Users NT

0   Remedy Distributed Server Option (DSO)

0   Remedy Express Plus Maintenance

0   Remedy AR System Fixed LSN 5-Pk

0   Remedy Migrator 5.1

0   Remedy AR System Server All Platforms

SINGAPORE NIPR Server Farm (SF), continued

Qty	Description
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

SINGAPORE NIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

SINGAPORE ITSC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AJ
N68939-97-D-0041/NS58-05

SINGAPORE SIPR Server Farm

Qty	Description
1	Veritas BackupExec for Windows Server v9.0
0	Veritas BackupExec for Windows Library Expansion Module
6	Veritas BackupExec for Windows Open File Option
1	Veritas BackupExec Admin Plus Pack
1	Veritas StorageCentral SRM
0	Veritas NetBackup Bare Metal Restore Option for Solaris (2 CPU)
10	Altiris Deployment Solution Licenses
0	IBM Tivoli Monitor (per processor)
0	IBM Tivoli Remote Control (per processor)
0	IBM Tivoli Configuration Manager (per processor)
0	IBM Tivoli Enterprise Console (per processor)
0	Tivoli Netview
0	Oracle Server License
0	Oracle Product Support - 1Yr
0	IBM Tivoli Configuration Manager CALs
0	IBM Tivoli Remote Control CALs
6	Symantec Enterprise Security Manager - Server Agent
6	Symantec Enterprise Security Manager - Additional CPUs

SINGAPORE SIPR Server Farm, continued

Qty	Description
6	Symantec Intruder Alert - Server Agent
6	Symantec Intruder Alert - Additional CPUs
0	Microsoft Identity Integration Server 2003 – Enterprise Edition (Per CPU)
0	Microsoft SQL Server 2000 – Standard Edition
374	Microsoft Windows Server 2003 CALs
374	Microsoft Exchange Server 2003 CALs
0	Remedy Help Desk (English) APP NT
0	Remedy Help Desk Fixed LSN 5-Pk
0	Remedy Help Desk Floating LSN 5-Pk
0	Remedy Asset Management (English) APP NT
0	Remedy Asset Management Fixed LSN 5-Pk
0	Remedy Asset Management Floating LSN 5-Pk
0	Remedy Change Management (English) APP NT
0	Remedy Change Management Fixed LSN 5-Pk
0	Remedy Change Management Floating LSN 5-Pk
0	Remedy SLA (English) APP w 5 Users NT
0	Remedy Distributed Server Option (DSO)
0	Remedy Express Plus Maintenance
0	Remedy AR System Fixed LSN 5-Pk

SINGAPORE SIPR Server Farm, continued

Qty	Description
0	Remedy Migrator 5.1
0	Remedy AR System Server All Platforms
0	Remedy AR System Floating Write LSN 5-Pk
0	CiscoWorks 2000 Routed WAN Management
0	CiscoWorks 2000 Maintenance
0	CiscoWorks 2000 Device Fault Management
0	CiscoWorks 2000 Device Fault Management Maintenance

SINGAPORE ITSC SOFTWARE BILL OF MATERIALS (BOM)
ATTACHMENT AJ
N68939-97-D-0041/NS58-05

SINGAPORE SIPR Information Assurance

Qty	Description
0	Veritas BackupExec for Windows Server v9.0
1	Veritas BackupExec Admin Plus Pack
2	Veritas BackupExec for Windows Open File Option
6	Altiris Deployment Solution Licenses
2	Symantec Enterprise Security Manager - Server Agent
2	Symantec Enterprise Security Manager - Additional CPUs
2	Symantec Intruder Alert - Server Agent
2	Symantec Intruder Alert - Additional CPUs
0	Microsoft ISA Enterprise Edition (Per CPU)

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (Critical) N6893997D0041	2. SPIN (Critical)	3. MOD (Critical)	4. PR NUMBER 258	PAGE 1 OF 1

5. CLIN/SLIN	6. LINE OF ACCOUNTING														7.		
	A. ACRN (Crit)	B. APPN (Critical)	C. SUBHEAD (Crit)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (Crit)	I. TT	J. PAA	K. COST CODE			AMOUNT (Critical)	NAVY INTERNAL USE ONLY REF DOC/ACRN	TAC CODE
											PROJ UNIT	MCC	&SUF			
0026	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0027	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$485,800.00	N0003904AFN52D6	N83N
0028	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$195,300.00	N0003904AFN52D6	N83N
0029	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0030	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$482,600.00	N0003904AFN52D6	N83N
0031	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$670,400.00	N0003904AFN52D6	N83N
0032	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0033	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$432,400.00	N0003904AFN52D6	N83N
0034	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$417,200.00	N0003904AFN52D6	N83N
0035	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0036	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$482,600.00	N0003904AFN52D6	N83N
0037	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$670,400.00	N0003904AFN52D6	N83N
0038	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0039	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$432,400.00	N0003904AFN52D6	N83N
0040	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$417,200.00	N0003904AFN52D6	N83N
0041	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0042	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$689,800.00	N0003904AFN52D6	N83N
0043	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$815,000.00	N0003904AFN52D6	N83N
0044	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0045	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$432,400.00	N0003904AFN52D6	N83N
0046	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$417,200.00	N0003904AFN52D6	N83N
0047	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$20,000.00	N0003904AFN52D6	N83N
0048	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$485,900.00	N0003904AFN52D6	N83N
0049	BM	1741810	52D6	252	EA	165		068342	2D	000000	D6005	000	0000	$195,300.00	N0003904AFN52D6	N83N

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Yvonne Carlson, Accounting Officer
DATE: JUN 29 2004